

Report on Mini Project

COMPARATIVE ANALYSIS OF FINENESS MODULUS FOR SAND FROM DIFFERENT GEOGRAPHIC LOCATION

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CERTIFICATE

Certified that the Mini project report entitled "**COMPARATIVE ANALYSIS OF FINENESS MODULUS FOR SAND FROM DIFFERENT GEOGRAPHIC LOCATION**" submitted by Himanshu Mishra, MD. Sohail Akram, Rintu Kumar and Shubham Kumar of B. Tech 4th Semester, in partial fulfilment of the requirements of the award of degree of Bachelor of Technology in Civil Engineering, School of Studies in Engineering and Technology Guru Ghasidas Vishwavidyalaya, Bilaspur is accorded to the student's own work, carried out by them in the Department of Civil Engineering during session 2023-24 under my supervision and guidance.

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ABSTRACT

Sieve analysis is a fundamental method used to determine the particle size distribution of aggregates which is crucial in various applications including construction, Geotechnical Engineering, and material engineering. This report presents a comprehensive sieve analysis of a sand sample to evaluate its particle size distribution and classification. The findings are compared against standard classification systems to assess the suitability of the sand for specific applications.

We have collected the soil from two different regions one from **Ganga River** and other is from **Son River**. We performed its sieve analysis test by sieving it out and calculations of retained and passed percentage. We find that the **Ganga River** falls in zone 4 and **Son River** falls in zone 2.

Keywords: Sieve Analysis, Particle Size Distribution, Granular Materials, Mechanical Sieving.